Product Specification

Product Identification

Part number:	Product name:
53204RS	Earth Clamp ECO-MAS 400 RS

Product specification

Earth Clamps ECO-MAS are the model shown in the following pictures, with personalization RS.

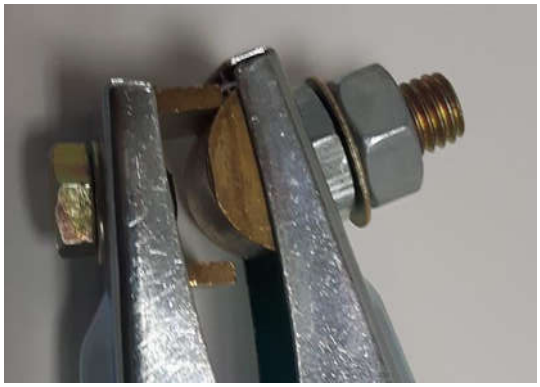
The **DUTY CYCLE** must be as follows:

Part number:	Product name:	Duty Cycle 60%	Duty Cycle 35%
53204RS	Earth Clamp ECO-MAS 400 RS	250 A	300 A



The **BODY** must be in Hot Dip Galvanized Steel Sheet without sharp edges.
Galvanization must be silver color, conform to RoHS Directive.
Galvanization with chromium hexavalent is strictly forbidden.

The **CABLE FIXING** must be directly at the point of contact by means of 1 bolt.



The **POINTS OF CONTACT** must be in Brass, with a shape like in the picture.

The **JAWS** must have a maximum opening not less than 60mm.
The jaws must be connected with a shunt as follows:

Part number:	Product name:	Shunt
53204RS	Earth Clamp ECO-MAS 400 RS	Copper braid 20mm wide

All the earth clamps must have a warning label attached on the shank.
The warning label has the layout according to file **Warning Label ISO 7010 – EARTH CLAMPS - Rev00.pdf**

All the earth clamps must have an identification label attached on the shank.
The identification label has the layout according to file **GCE- LABELS.PDF (INDIVIDUAL STICKER).**

Compliance with standards

All the earth clamps must comply to

- Standard EN 60974-13, the latest version in force.
- Directive 2011-65-EU - RoHS - Restriction of Hazardous Substances in Electrical and Electronic Equipment

Marking

All the earth clamps must be legibly and indelibly (no label applied) marked according to Standard EN 60974-13, the latest version in force and have the CE mark.

The mark must be preferably in black color. The white color is accepted on a dark background to allow legibility.

The mark shall contain:

- RS logo
- Rated current at duty cycle 60%
- Maximum and minimum permissible cross-sectional area of the welding cable
- Reference to standard EN 60974-13
- CE mark

Example:



This example is for RS earth clamp with rated current 250A at 60% duty cycle, suitable for welding cable with cross-section between 35 and 50 mm2, in compliance with standard EN 60974-13, hence with CE mark.

Traceability

Not applicable.

Gas Control Equipment

Instruction for Use

Standard Operating Manual of manufacturer.

Packaging

The product must be packed in a fully sealed plastic bag on all sides. (no open side)

The plastic bag has to the layout according to file:

- **Plastic Bag - EARTH CLAMPS - Rev00.pdf**

Alternatively, a fully transparent plastic bag is accepted.

The package must contain:

- N° 1 Earth Clamp
- N° 1 Operational Manual

Each plastic bag must be completed with 2 bar code labels (a white one with GCE bar code and e yellow one with RS bar code) according to file **GCE- LABELS.PDF (POLYBAG STICKER).**

Earth clamps must be packed in a cardboard box (possibly neutral).
Each cardboard box must have a product identification label according to file **GCE- LABELS.PDF (MASTER CARTON STICKER).**

Spare parts

Not pplicable.

Documents needed

- Technical Datasheet with indication of rated current at duty cycle 60% and Min-Max permissible cross-section of the welding cable.
- CE certification and declaration of conformity that all the supplied pieces are conform to standard EN 60974-13.
- RoHS Declaration concerning the complete product.

Gas Control Equipment